

IN THE CLAIMS

Please amend the claims to read as follows:

LISTING OF CLAIMS

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Claims ~~1-14~~ (Cancelled).

15. (New) A radio communication apparatus comprising:

a plurality of antennas;

a receiver that receives a radio signal comprising a plurality of subcarrier signals through said plurality of antennas, said plurality of subcarrier signals comprising a plurality of data that are spread over a frequency axis and that are code division multiplexed and frequency division multiplexed;

B1 a detector that, on a per subcarrier basis and on a per antenna basis, detects an amplitude level of said radio signal received through said plurality of antennas;

a selector that, on a per subcarrier basis, makes a comparison of the detected amplitude levels between said plurality of antennas and selects one of said antennas through which said radio signal gains a largest amplitude level; and

a despreader that, on a per subcarrier basis, despreads said radio signal received through the selected antenna with a predetermined spreading code and obtains said plurality of data multiplexed upon said plurality of subcarrier signals.

16. (New) The radio communication apparatus according to claim 15, further comprising:

a spreader that spreads a plurality of data over a frequency axis with different spreading codes to produce spread data;

a first multiplexer that code division multiplexes the spread data to produce code division multiplexed data;

a divider that divides the code division multiplexed data on a per chip basis to produce data divided on a per chip basis;

a second multiplexer that assigns the data divided on a per chip basis to respective transmit subcarrier signals and frequency division multiplexes said data divided on a per chip basis to produce frequency division multiplexed data; and

a transmitter that transmits a transmit radio signal through said plurality of antennas, said transmit radio signal comprising said frequency division multiplexed data, wherein:

said second multiplexer assigns said data divided on a per chip basis to said transmit subcarrier signal transmitted through the antenna selected by said selector.

17. (New) The radio communication apparatus according to claim 16, further comprising:

a calculator that, on a per subcarrier basis, calculates a ratio between an amplitude level of a subcarrier signal received

through said antenna selected by said selector and an average value of amplitude levels of said subcarrier signals; and

a mathematical divider that, on a per subcarrier basis, divides the data divided on a per chip basis by said ratio.

18. (New) The radio communication apparatus according to claim 17, further comprising a comparator that, in accordance with a comparison result between the ratio calculated by said calculator and a threshold level, outputs the ratio to said mathematical divider when said ratio is below or equal to said threshold level, and outputs said threshold level to said mathematical divider when said ratio is above said threshold level.

19. (New) A communication terminal apparatus comprising the radio communication apparatus of claim 15.

20. (New) A base station apparatus comprising the radio communication apparatus of claim 15.

21. (New) A radio communication method comprising the steps of:

receiving a radio signal comprising a plurality of subcarrier signals through a plurality of antennas, said plurality of

subcarrier signals comprising a plurality of data that are spread over a frequency axis and that are code division multiplexed and frequency division multiplexed;

detecting, on a per subcarrier basis, an amplitude level of said radio signal received through said plurality of antennas to produce detected amplitude levels between said plurality of antennas;

comparing, on a per subcarrier basis, the detected amplitude levels and selecting one of said antennas through which said radio signal gains a largest amplitude level; and

despreading, on a per subcarrier basis, said radio signal received through the selected antenna with a predetermined spreading code and obtaining said plurality of data multiplexed upon said plurality of subcarrier signals.

22. (New) A radio communication method comprising the steps of:

receiving a radio signal comprising a plurality of subcarrier signals through a plurality of antennas, said plurality of subcarrier signals comprising a plurality of data that are spread over a frequency axis and that are code division multiplexed and frequency division multiplexed;

diversity combining, on a per subcarrier basis, said radio signal received through said plurality of antennas to produce a diversity combined signal; and

despreading, on a per subcarrier basis, the diversity combined signal with a predetermined spreading code and obtaining said plurality of data multiplexed upon said plurality of subcarrier signals.

23. (New) A radio communication method comprising the steps of:

receiving a radio signal comprising a plurality of subcarrier signals through a plurality of antennas, said plurality of subcarrier signals comprising a plurality of data that are spread over a frequency axis and that are code division multiplexed and frequency division multiplexed; and

performing diversity processing of the received radio signal on a per subcarrier basis between said plurality of antennas.

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